

FIG. 1

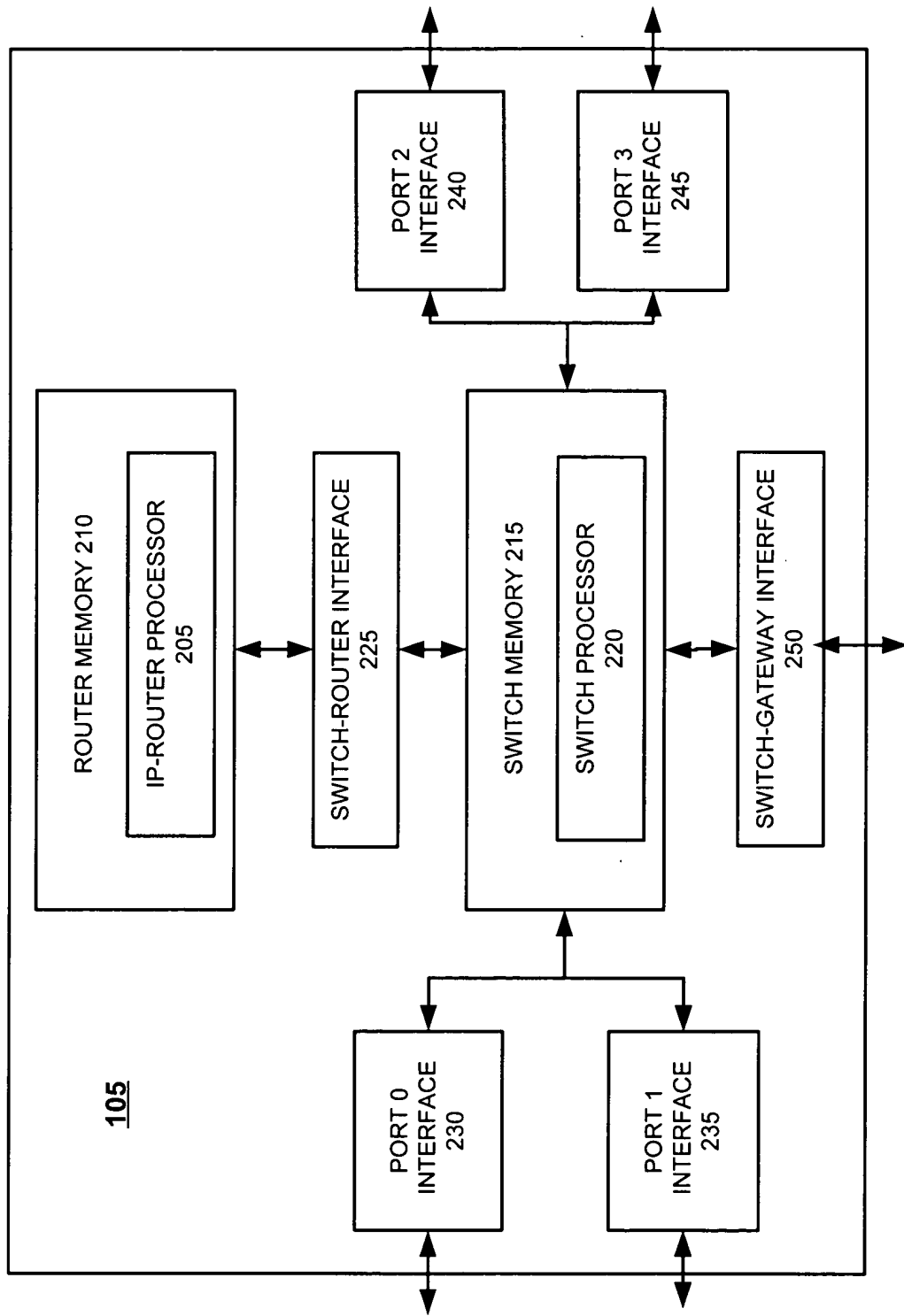


FIG. 2

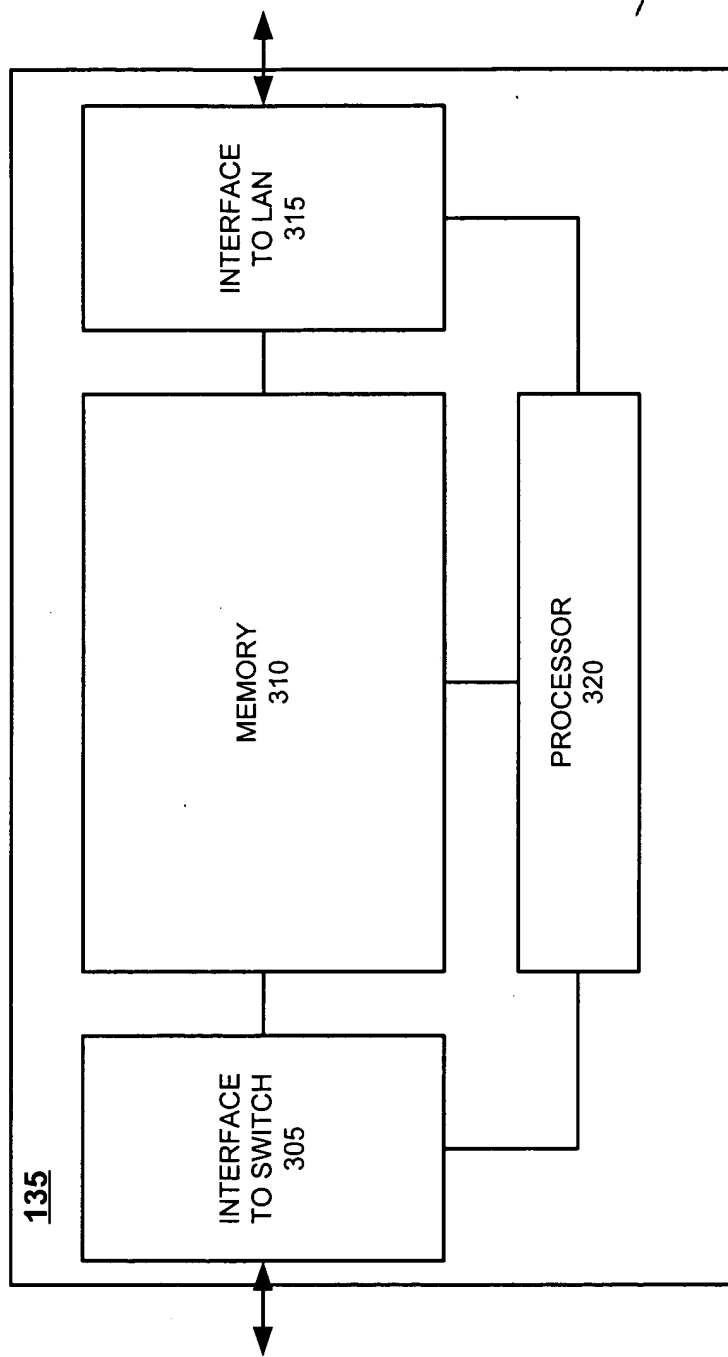


FIG. 3

SWITCH'S VC TABLE FOR PACKETS FROM GATEWAY

400

VC ENTRY 405	ROUTER OUTPUT PORT (PN_{OUT}) 410	VCI_{out} 415	DESTINATION
1	IP ROUTER	HELLO #	ROUTER
2	IP ROUTER	ROUTE #	ROUTER
3	IP ROUTER	IP #	ROUTER DECISION
4	Port 2	171	GATEWAY G
5	Port 0	34	GATEWAY W
6	Port 3	72	GATEWAY K
7	IP ROUTER	IP #	ROUTER DECISION
8	Port 1	49	GATEWAY B

FIG. 4

GATEWAY'S VC TABLE FOR PACKETS FROM ROUTER

500

VC ENTRY 505	DESTINATION 510
HELLO #	GATEWAY PROCESSOR
ROUTE #	GATEWAY PROCESSOR
IP #	FORWARD TO LAN, WITHOUT VCI

FIG. 5

600

**GATEWAY FORWARDING
TABLE**

DESTINATION GATEWAY 605	VCI _{out} 610
GATEWAY G	171
GATEWAY W	34
GATEWAY K	72
GATEWAY Z	116
GATEWAY B	49

FIG. 6

700

**ROUTER-TO-ADJACENT-
ROUTER UPDATE**

ROUTER# 705	ROUTER_B
SEQ. # 710	SEQ_NUM
GATEWAY STATE (UP/DOWN) 715	GATEWAY VCI 720

FIG. 7

800

ROUTER-TO-ROUTER
GATEWAY-FLOOD-UPDATE

ROUTER# 805	ROUTER_B
SEQ. # 810	SEQ_NUM
GATEWAY G 815	GATEWAY DATA 820
GATEWAY W 815	GATEWAY DATA 820
GATEWAY K 815	GATEWAY DATA 820
GATEWAY B 815	GATEWAY DATA 820

FIG. 8

900

ROUTER-TO-GATEWAY
UPDATE

SEQ. # 905		SEQ_NUM
GATEWAY 910	GATEWAY VCI 915	ADD/DROP FLAG 920
GATEWAY K	72	ADD
GATEWAY Z	116	DROP
GATEWAY B	49	ADD

FIG. 9

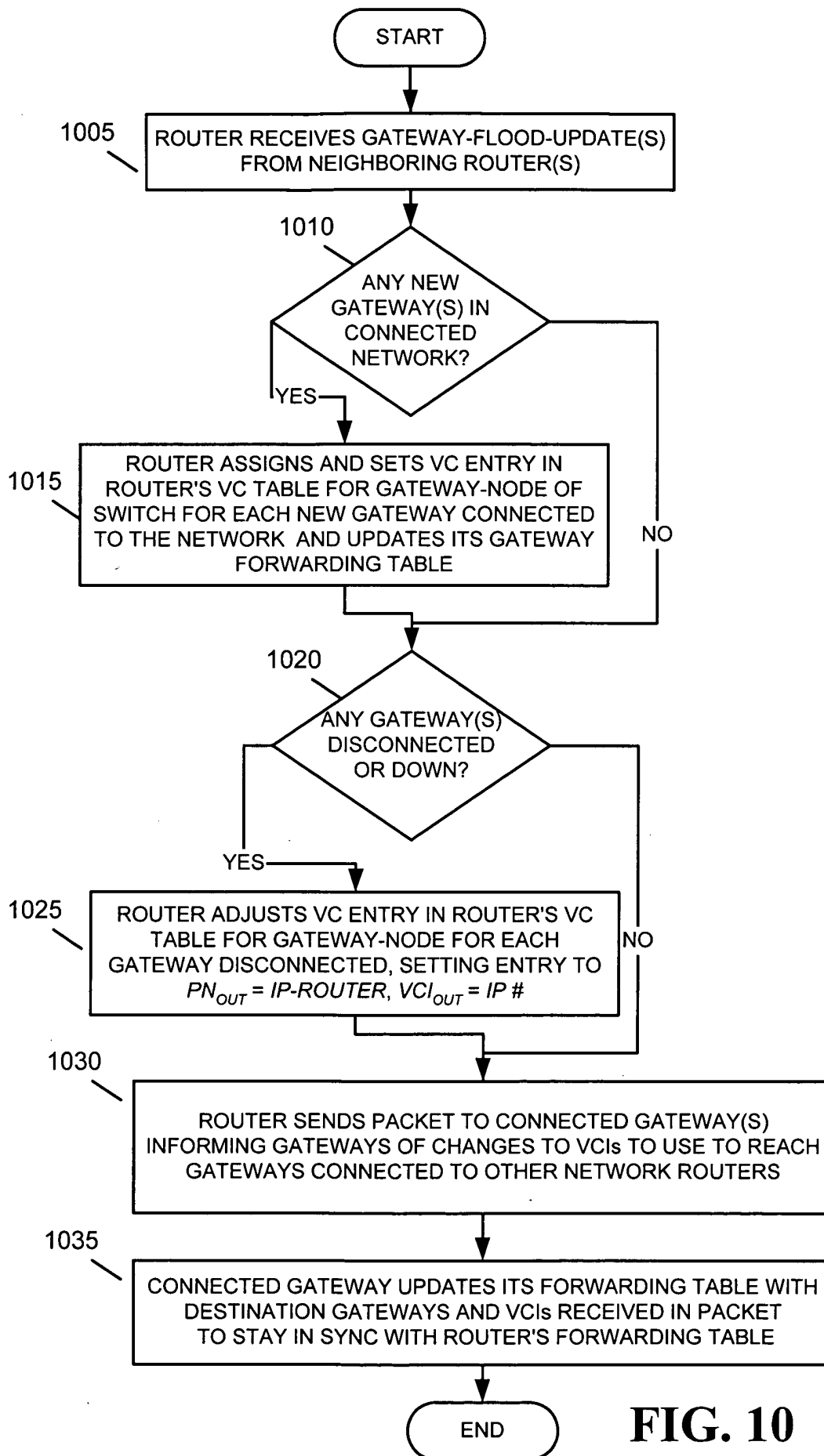


FIG. 10

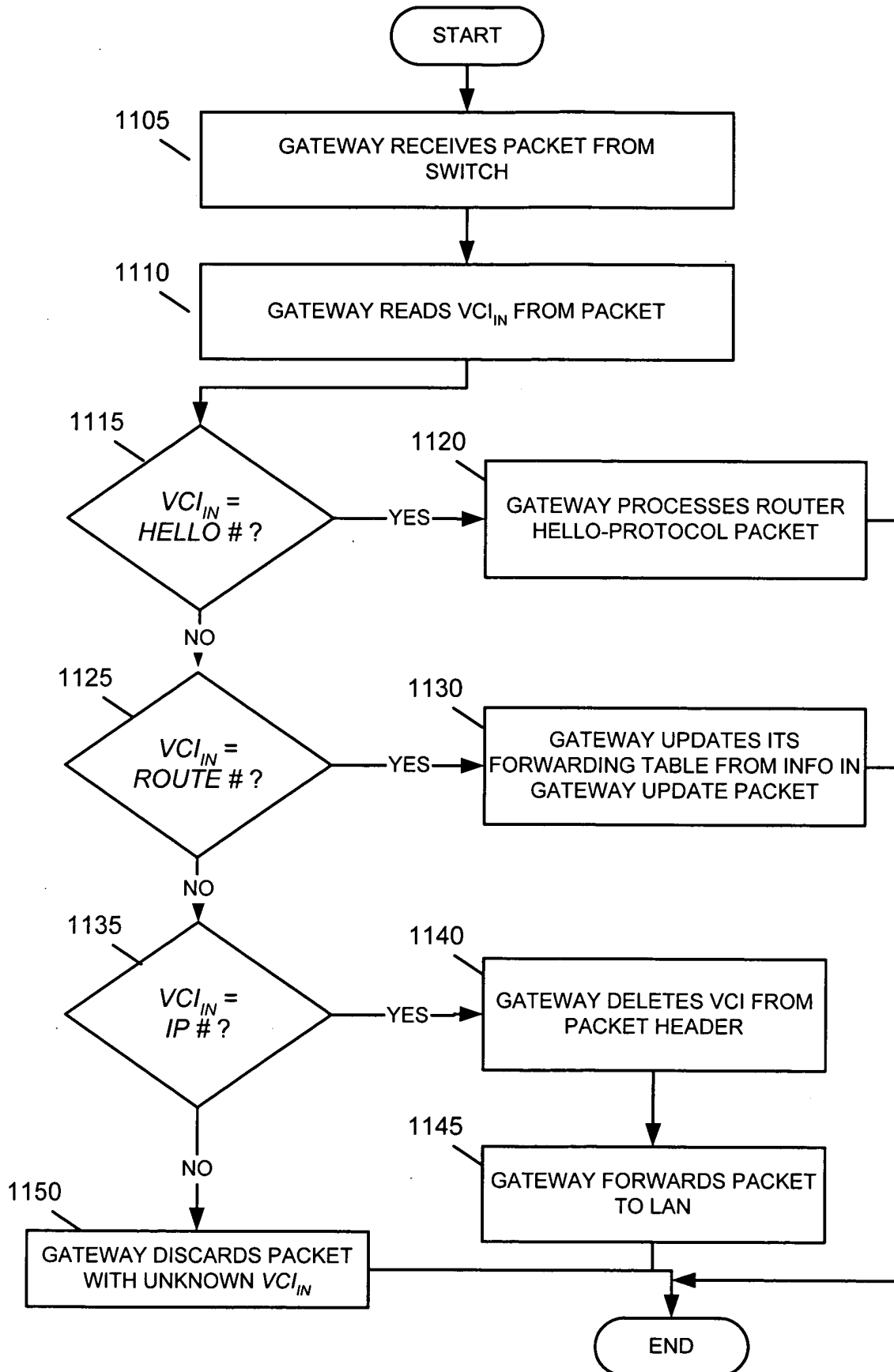


FIG. 11

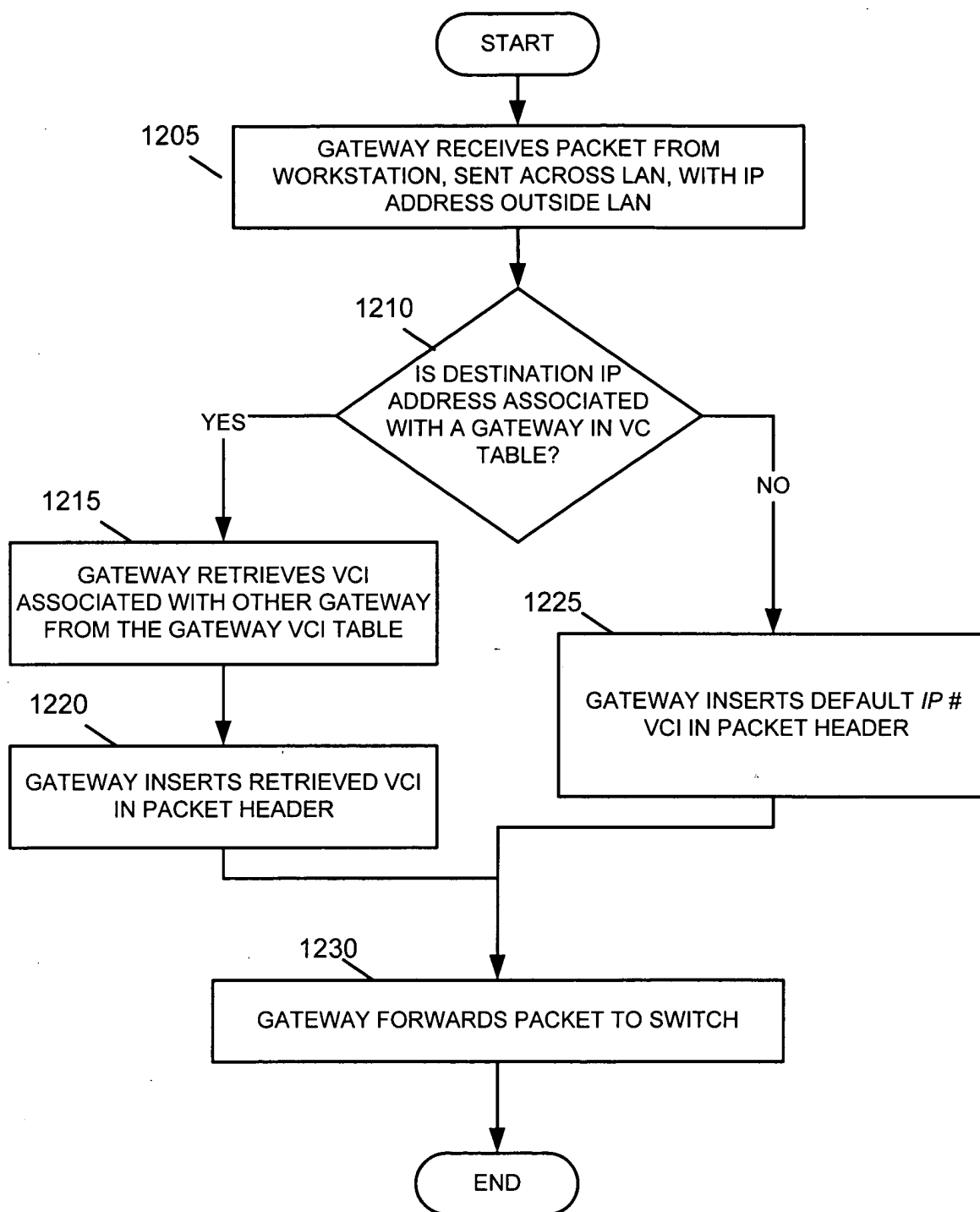


FIG. 12

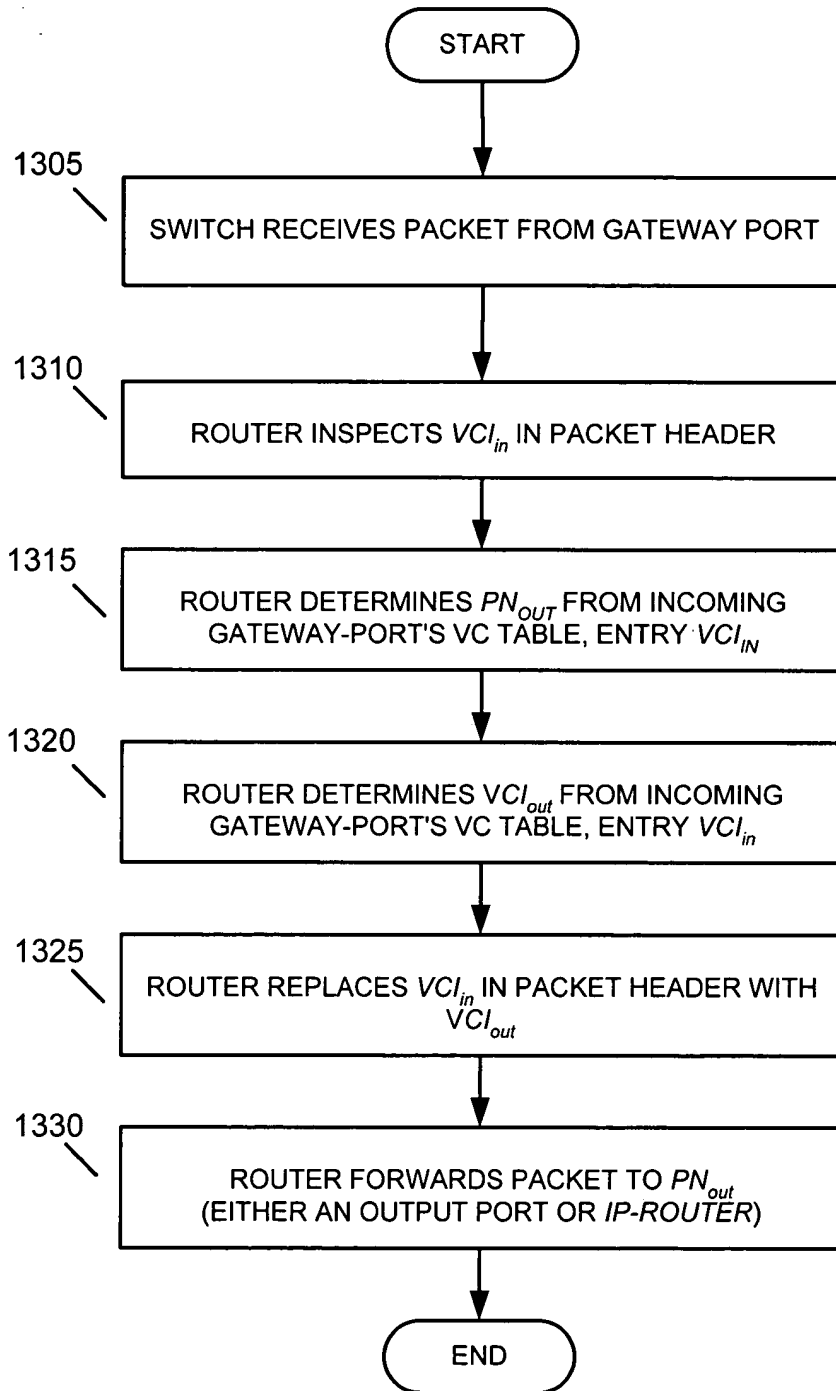


FIG. 13